



GP/2661 #4  
11-27-02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: O'Riordan

Attorney Docket No.: CISC265

Application No.: 10/016,866

Examiner: Unassigned

Filed: December 14, 2001

Group: 2661

Title: ENHANCED INTERNAL ROUTER  
REDUNDANCY

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on November 18, 2002.

Signed: Natalie Morgan  
Natalie Morgan

**INFORMATION DISCLOSURE STATEMENT**

37 CFR §§1.56 AND 1.97(b)

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Commissioner for Patents  
Washington, DC 20231

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Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. CISC265)

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. <b>CISCP265</b> Applicant: <b>O'Riordan</b> Filing Date <b>December 14, 2001</b>	Application No.: <b>10/016,866</b>  Group <b>2661</b>
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**U.S. Patent Documents**

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A1	5,862,345	01/19/99	Okanoue, et al.			08/15/96
	A2	6,078,575	06/20/00	Dommetry, et al.			06/26/97
	A3	6,195,705	02/27/01	Leung			06/30/98
	A4	4,692, 918	09/08/87	Elliott, et al.			12/17/84
	A5	5,016,244	05/14/91	Massey, Jr., et al.			09/08/89
	A6	5,018,133	05/21/91	Tsukakoshi, et al.			09/06/90
	A7	5,218,600	06/08/93	Schenkyr, et al.			12/26/90
	A8	5,371,852	12/06/94	Attanasio, et al.			10/14/92
	A9	5,473,599	12/05/95	Li, et al.			04/22/94
	A10	5,619,552	04/08/97	Karppanen, et al.			04/19/95
	A11	5,729,537	03/17/98	Billstrom			06/14/96
	A12	5,825,759	10/20/98	Liu			07/24/95
	A13	5,943,604	08/24/99	Chen et al.			10/31/97
	A14	5,862,451	02/19/99	Grau, et al.			01/22/96
	A15	5,793,763	08/11/98	Mayes, et al.			11/03/95
	A16	5,572,528	11/25/96	Shuen			03/20/95
	A17	5,414,704	05/9/95	Spinney			04/05/95
	A18	5,488,412	01/30/96	Majeti et al.			03/03/94
	A19	5,506,987	10/9/96	Abramson et al.			03/24/94
	A20	5,586,121	12/17/96	Moura et al.			04/21/95
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	A22	5,828,655	10/27/98	Moura et al.			08/21/96
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	A24	5,872,773	02/16/99	Katzela et al.			05/17/96
	A25	5,946,047	09/31/99	Levan			03/12/97
	A26	5,946,048	09/31/99	Levan			03/12/97
	A27	5,953,335	09/14/99	Erimli et al.			12/18/97
Examiner				Date Considered			

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	B1	5,956,346	09/21/99	Levan			10/22/96
	B2	5,959,660	09/28/99	Levan			08/26/96
	B3	5,959,968	09/28/99	Chin et al.			07/30/97
	B4	5,959,997	9/28/99	Moura et al.			08/21/96
	B5	Re. 35,774	04/21/98	Moura et al.			11/16/94
	B6	5,989,060	11/23/99	Coile et al.			08/25/97
	B7	5,950,205	9/7/99	James A. Aviani, Jr.			09/25/97
	B8	6,016,388	01/18/00	Dillon			05/06/98
	B9	5,892,903	04/06/99	Klaus			09/12/96
	B10	6,006,266	12/21/99	Murphy et al.			01/21/97
	B11	6,052,718	04/18/00	Gifford			01/07/97
	B12	6,345,294	02/05/02	O'Toole et al.			04/19/99

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	C1	WO98/31107	07/16/98	WIPO	H04B		X	
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**Other Documents**

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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	D1	T. Li, B. Cole, P. Morton, and D. Li, "Cisco Hot Standby Router Protocol (HSRP)," March, 1998, Network Working Group RFC 2281 ( <a href="http://ftp.ietf.org/rfc/rfc2281.txt?number=2281">http://ftp.ietf.org/rfc/rfc2281.txt?number=2281</a> )
	D2	Uyless Black, "TCP/I and Related Protocols", 1992, McGraw-Hill, Inc., pages 226-249.
	D3	Chambless, et al., "Home Agent Redundancy Protocol (HARP)", October 27, 1997.
	D4	Networking Working Group, RFC 2002 "IP Mobility Support", October 1996.
	D5	Release notes, for 3Com Corporation, "Conducting a Redundant Route for Network Resiliency", March 1994, NET Builder Family Bridge/Router, pages 26-29.
	D6	J. Moy, RFC 1247, "OSPF Version 2", July 19, 1991.
	D7	D. Oran, RFC 1142 "OSI IS-IS Intra-Domain Routing Protocol", February 1990.
	D8	K. Egevang et al., "The IP Network Address Translator (NAT)", Network Working Group, PP. 1-10, May 1994.
	D9	Y. Rekhter, et al., "Address Allocation for Private Internets," RFC: 1918, Network Working Group, February 1996, 9 pages.
	D10	P. Srisuresh, et al. "Load Sharing Using IP Network Address Translation (LSNAT)," RFC 2391, Network Working Group, August 1998, 18 pages.
	D11	P. Srisuresh, et al., "IP Network Address Translator (NAT) Terminology and Considerations," RFC 2663, Network Working Group, August 1999, 30 pages.
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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	E1	E. Gerich, "Guidelines for Management of IP Address Space," RFC: 1466, Network Working Group, May 1993, 10 Pages.
	E2	C.E. Perkins and T. Jagannadh, "DHCP for Mobile Networking with TCP/IP," IBM, Watson Research Center IEEE, April 1995
	E3	3Com Corporation, "Configuring Boundary Routing System Architecture," NETBuilder Family Bridge/Router Release Notes, March 1994, pp.26-29
	E4	Daruwalla, et al. "Method for a Cable Modem to Rapidly Switch to a Backup CMTS," U.S. Patent Application No. 09/484,611, Attorney Docket No. CISCP122, filed January 18, 2000, 53 Pages
	E5	Daruwalla, et al. "Cable Network Redundancy Architecture," U.S. Patent Application No. 09/484,612, Attorney Docket No. CISCP130, filed January 18, 2000, 60 Pages.
	E6	Nosella, et al. "Gateway Load Balancing Protocol," U.S. Patent Application No. 09/883,674, Attorney Docket No. CISCP185, filed June 18, 2001, 48 Pages.
	E7	Jayasenana, et al. "Stateful Network Address Translation Protocol Implemented Over a Data Network," U.S. Patent Application No. 09/735,199, Attorney Docket No. CISCP191, filed December 11, 2000, 67 Pages.
	E8	Leung, et al. "Methods and Apparatus for Implementing Home Agent Redundancy," U.S. Patent Application No. 10/008,494, Attorney Docket No. CISCP206, filed November 9, 2001, 53 Pages.
	E9	Daruwalla, et al. "Routing Protocol Based Redundancy Design for Shared-Access Networks," U.S. Patent Application No. 09/484,189, Attorney Docket No. CISCP115, filed January 18, 2000, 53 Pages.
	E10	Kent Leung, "Mobile IP Mobility Agent Standby Protocol," U.S. Patent Application No. 09/714,466, Attorney Docket No. CISCP049C1, filed November 14, 2000, 32 Pages.
	E11	Ian Wilson, "Redirection to a Virtual Router," U.S. Application Serial No.: 09/748,828, Attorney Docket No. CISCP190, filed December 26, 2000, 32 Pages.
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	F1	Eager et al., "Adaptive Load Sharing in Homogeneous Distributed Systems," IEEE, Transactions on Software Engineering, Vol. Se-12, No. 5, May 1986, PP 662-675	
	F2	Akamai Technologies, Inc. -Global Internet Content Delivery-"How FreeFlow Works," <a href="mailto:webmaster@akamai.com">webmaster@akamai.com</a> 1999-2000.	
	F3	Digital Island, Inc. -e-Business Without Limits-, "Enabling Technologies," <a href="http://www.digisle.net">http://www.digisle.net</a> . No date.	
	F4	Internap, "Preferred Collocation Services," <a href="http://www.internap.com">http://www.internap.com</a> Copyright © 2001 Internap Network Services Corporation.	
	F5	Meyer, et al., Request For Comments No. 2026, entitled, "Generic Routing Encapsulation (GRE)," January, 2000, Internet Engineering Task Force, 9 pages.	
	F6	Mockapetris, P., Request For Comments No. 1034, entitled, "Domain Names – Concepts and Facilities," November, 1987, Internet Engineering Task Force, 31 pages.	
	F7	Information Sciences Institute, Request for Comments No. 793, entitled, "Transmission Control Protocol – DARPA Internet Program – Protocol Specification," September, 1981, Internet Engineering Task Force, 49 pages.	
	F8	David M. Gifford, "Replica Routing," U.S. Patent Application No. 09/472,964, Filed December 28, 1999, 37 Pages	
	F9	Johnson et al., "Dynamic Server Organization," U.S. Patent Application No. 09/294,837, Filed April 19, 1999, 42 Pages	
	F10	Lu et al., "Automatic Network Addresses Assignment and Translation Interference," U.S. Provisional Patent Application No.: 60/160,535, Filed October 20, 1999, 127 Pages	
	F11	Lu et al., "Method and Apparatus for Automatic Network Address Assignment," U.S. Provisional Patent Application No.: 60/178,063, Filed January 24, 2000, 74 Pages	
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	G1	Toole et al., "Fast-Changing Network Status and Load Monitoring and Feedback," U.S. Provisional Patent Application No.: 60/177,985 Filed January 25, 2000, 20 Pages
	G2	Johnson et al., "Method and Apparatus for Determining a Network Topology in the Presence of Network Address Translation," U.S. Provisional Patent Application No.: 60/178,062, Filed January 24, 2000, 32 Pages
	G3	Kirk Johnson, "A Method and Apparatus for Minimalist Approach to Implementing Server Selection," U.S. Provisional Patent Application No.: 60/177,415, Filed January 21, 2000, 39 Pages
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